

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112116\
 Data File : BF091261.D
 Acq On : 22 Nov 2016 00:04
 Operator : UM/SJ
 Sample : H5660-03 50X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 UST-SW1

Quant Time: Nov 22 02:24:26 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF112116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 22 00:44:52 2016
 Response via : Initial Calibration

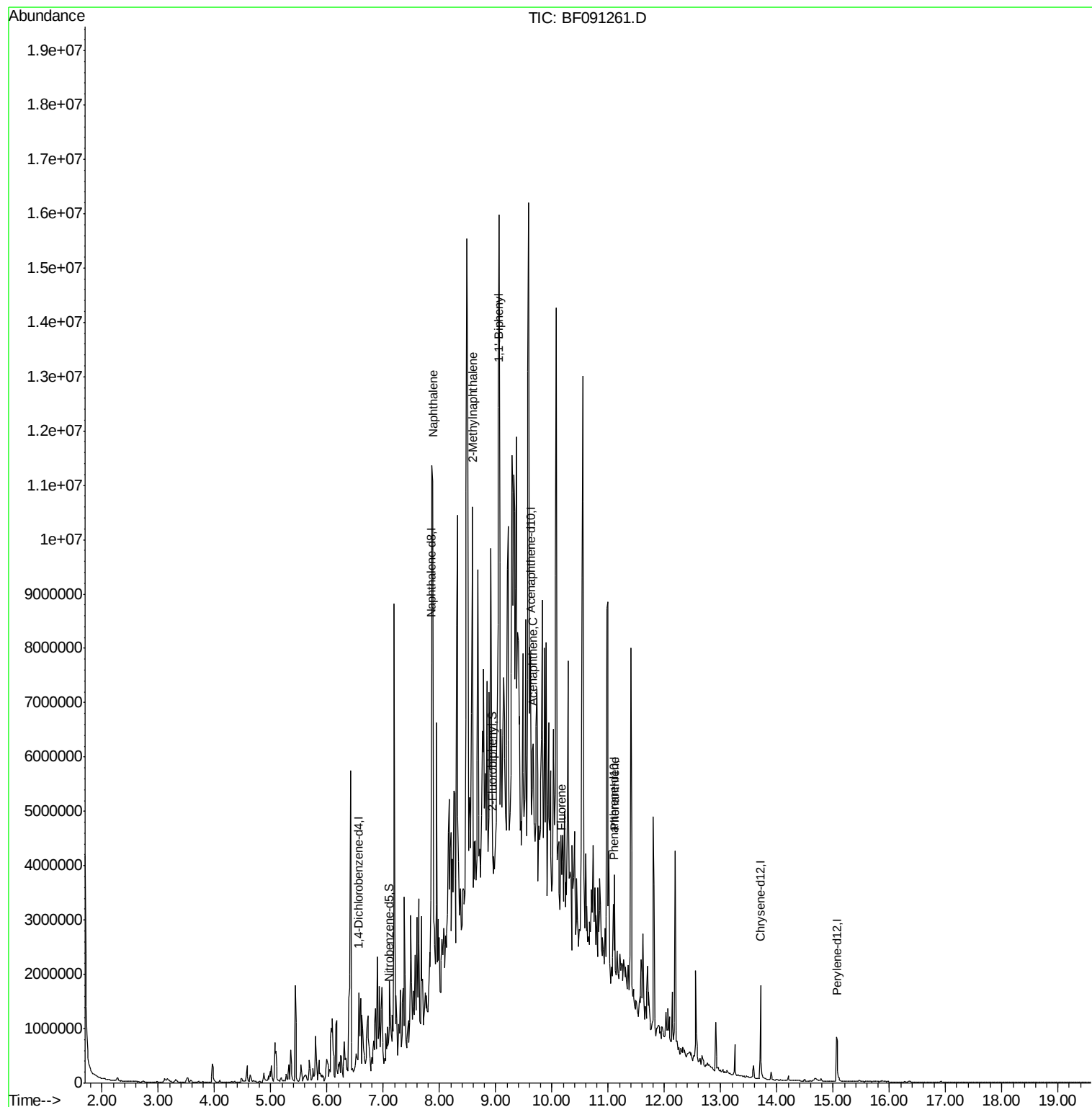
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.57	152	187446	20.00	ng	0.00
21) Naphthalene-d8	7.86	136	538379	20.00	ng	0.00
38) Acenaphthene-d10	9.62	164	385763	20.00	ng	0.01
63) Phenanthrene-d10	11.09	188	616409	20.00	ng	0.01
75) Chrysene-d12	13.71	240	644240	20.00	ng	0.00
86) Perylene-d12	15.07	264	492300	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.22	112	6662	0.59	ng	0.08
7) Phenol-d6	6.26	99	24885	1.85	ng	0.02
23) Nitrobenzene-d5	7.10	82	22937	2.35	ng	-0.05
41) 2,4,6-Tribromophenol	10.41	330	4974	1.38	ng	0.01
44) 2-Fluorobiphenyl	8.94	172	69840	3.16	ng	0.00
78) Terphenyl-d14	12.67	244	49669	1.75	ng	0.00
Target Compounds						
31) Naphthalene	7.88	128	840842	33.43	ng	# 93
37) 2-Methylnaphthalene	8.59	142	2938662	174.23	ng	# 95
45) 1,1'-Biphenyl	9.05	154	284069	9.66	ng	# 96
51) Acenaphthene	9.65	154	122236	5.98	ng	# 78
57) Fluorene	10.17	166	227188	9.87	ng	# 89
70) Phenanthrene	11.12	178	658535	20.33	ng	# 98

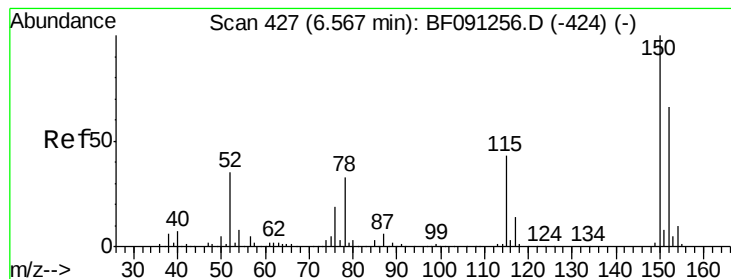
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.57 min Scan# 427

Delta R.T. 0.00 min

Lab File: BF091261.D

Acq: 22 Nov 2016 00:04

Instrument :

BNA_F

ClientSampleId :

UST-SW1

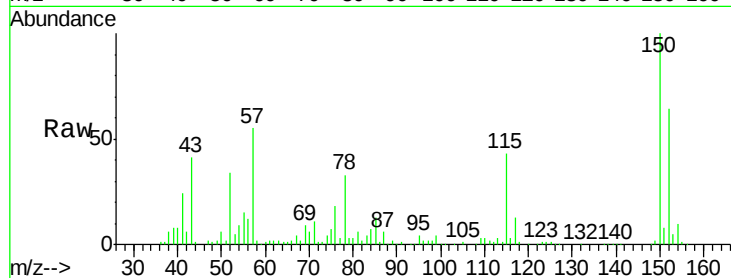
Tot Ion:152 Resp: 187446

Ion Ratio Lower Upper

152 100

150 155.1 122.5 183.7

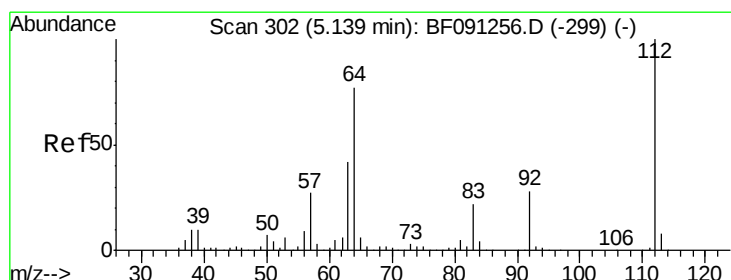
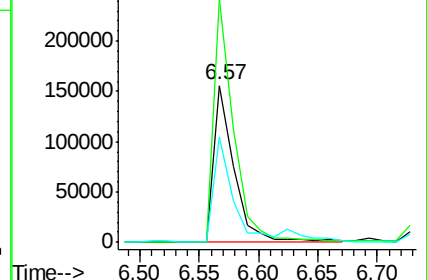
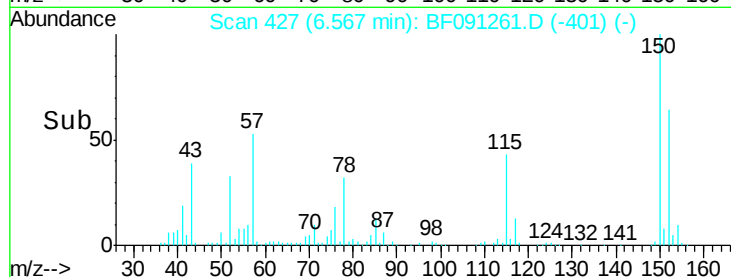
115 66.9 51.8 77.8



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 0.59 ng

RT: 5.22 min Scan# 309

Delta R.T. 0.08 min

Lab File: BF091261.D

Acq: 22 Nov 2016 00:04

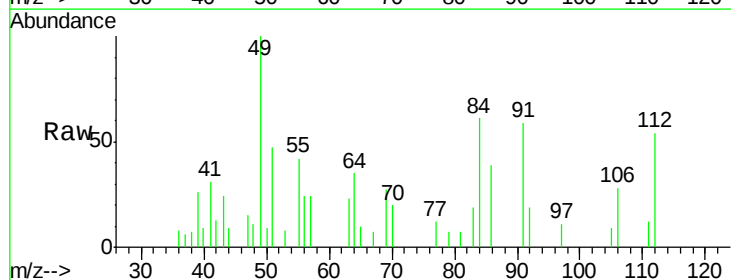
Tgt Ion:112 Resp: 6662

Ion Ratio Lower Upper

112 100

64 64.2 61.5 92.3

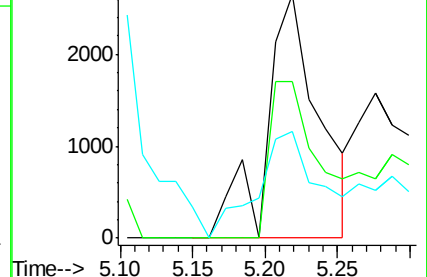
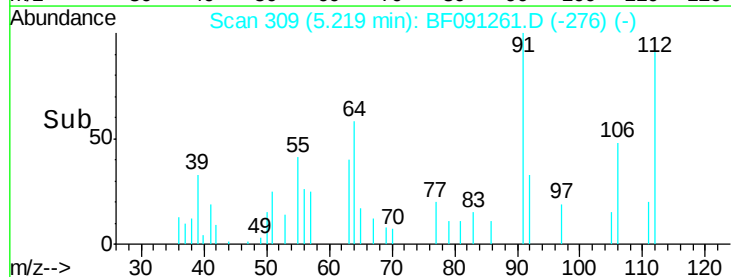
63 43.6 33.3 49.9

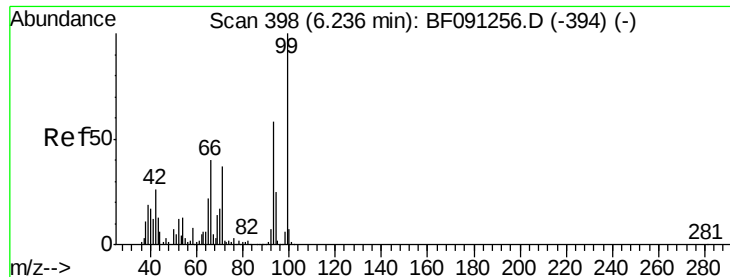


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 1.85 ng

RT: 6.26 min Scan# 400

Delta R.T. 0.02 min

Lab File: BF091261.D

Acq: 22 Nov 2016 00:04

Instrument :

BNA_F

ClientSampled :

UST-SW1

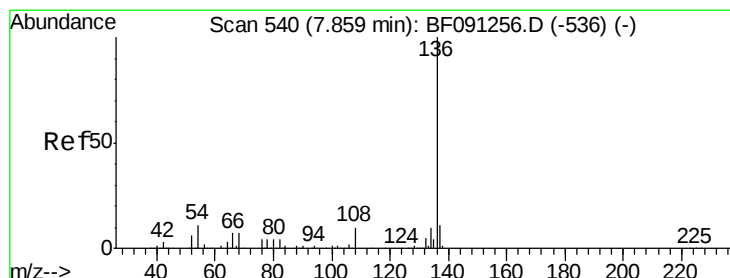
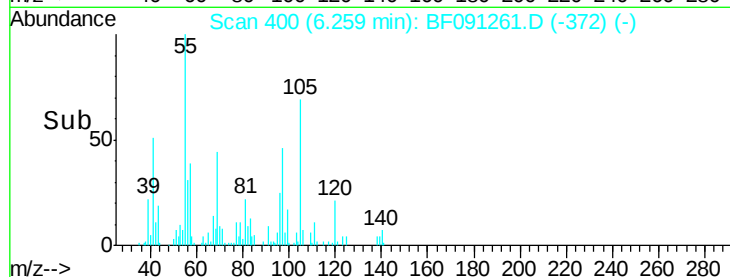
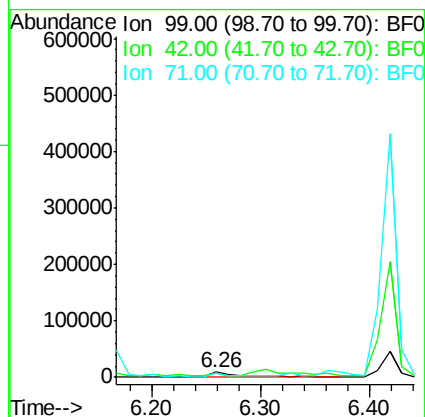
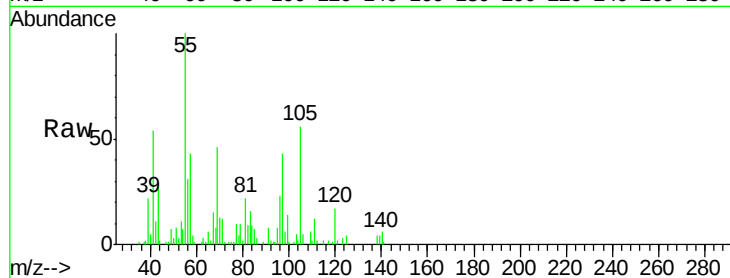
Tot Ion: 99 Resp: 24885

Ion Ratio Lower Upper

99 100

42 78.2 20.6 31.0#

71 81.7 29.9 44.9#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.86 min Scan# 540

Delta R.T. 0.00 min

Lab File: BF091261.D

Acq: 22 Nov 2016 00:04

Tgt Ion: 136 Resp: 538379

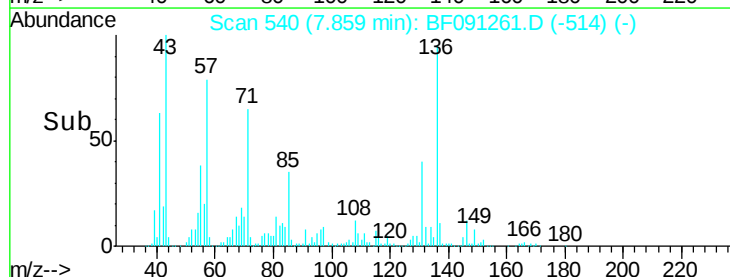
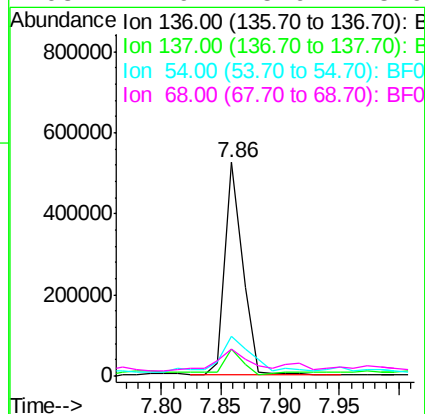
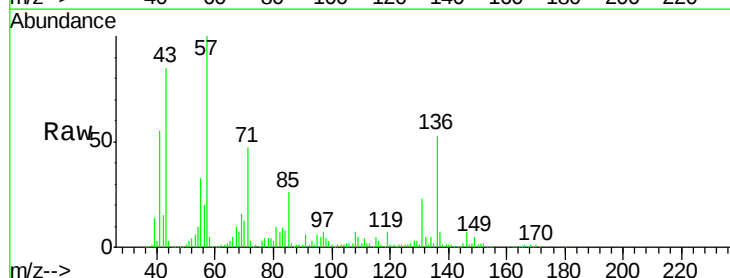
Ion Ratio Lower Upper

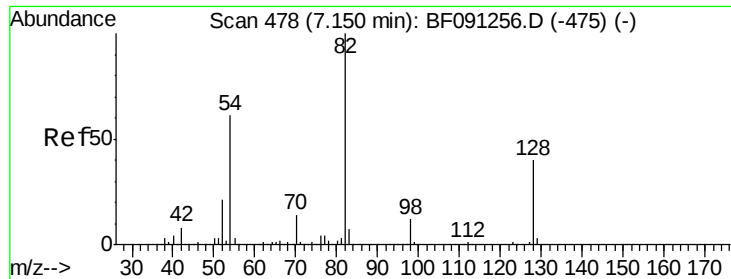
136 100

137 12.4 9.1 13.7

54 18.5 9.1 13.7#

68 12.9 5.9 8.9#

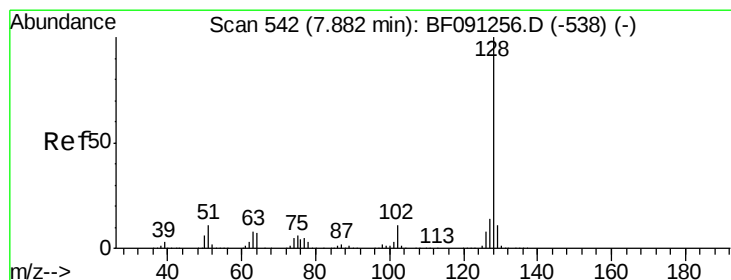
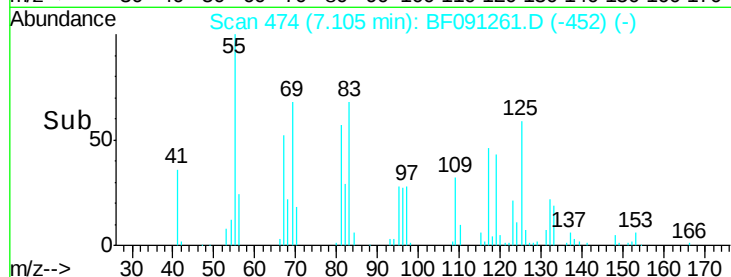
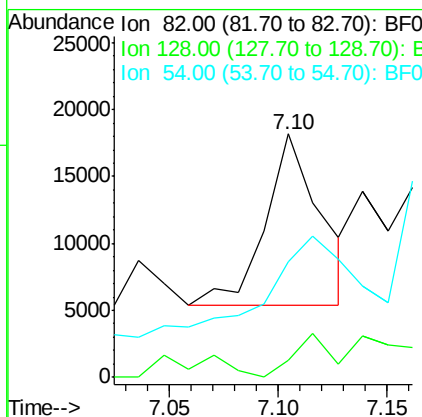
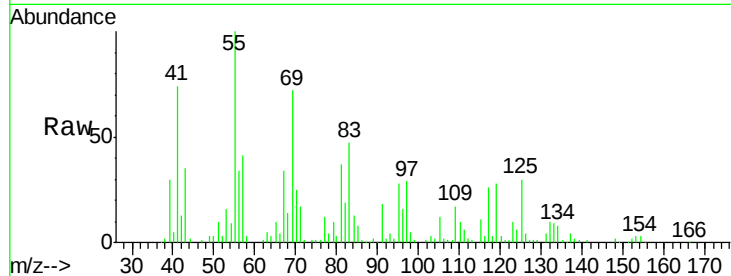




#23
Nitrobenzene-d5
Concen: 2.35 ng
RT: 7.10 min Scan# 474
Delta R.T. -0.05 min
Lab File: BF091261.D
Acq: 22 Nov 2016 00:04

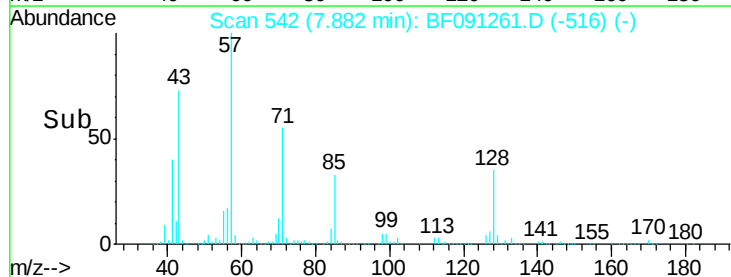
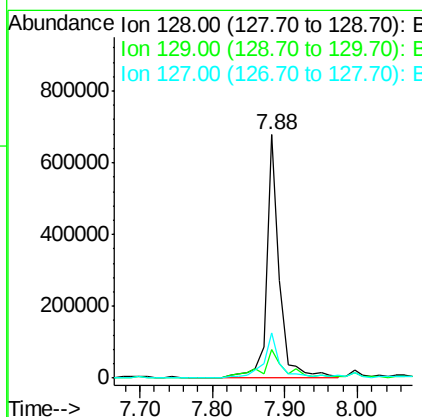
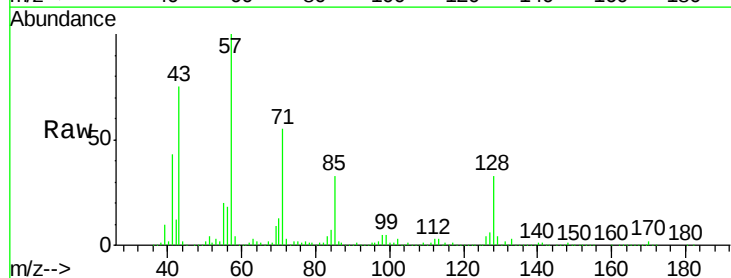
Instrument :
BNA_F
ClientSampled :
UST-SW1

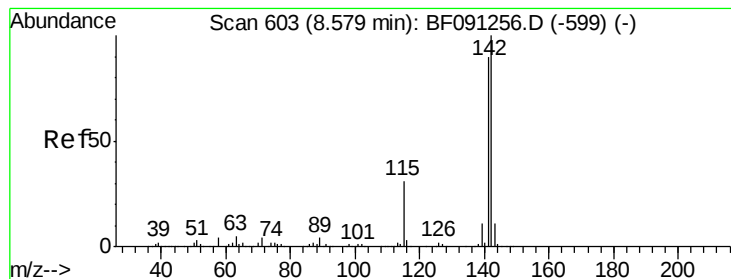
Tot Ion: 82 Resp: 22937
Ion Ratio Lower Upper
82 100
128 7.2 31.8 47.6#
54 47.5 49.1 73.7#



#31
Naphthalene
Concen: 33.43 ng
RT: 7.88 min Scan# 542
Delta R.T. 0.00 min
Lab File: BF091261.D
Acq: 22 Nov 2016 00:04

Tgt Ion:128 Resp: 840842
Ion Ratio Lower Upper
128 100
129 12.0 9.1 13.7
127 18.7 11.0 16.4#

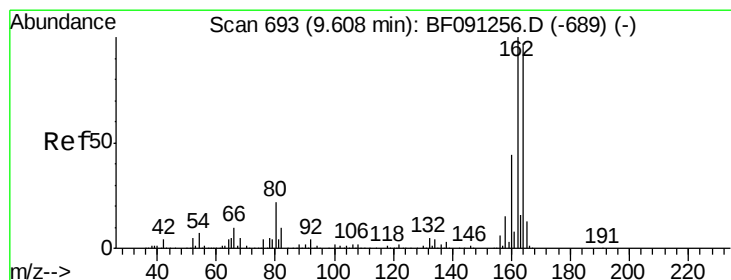
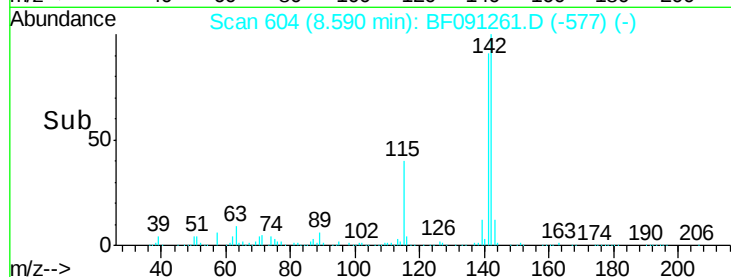
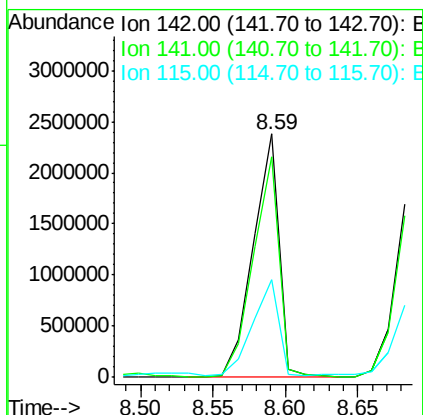
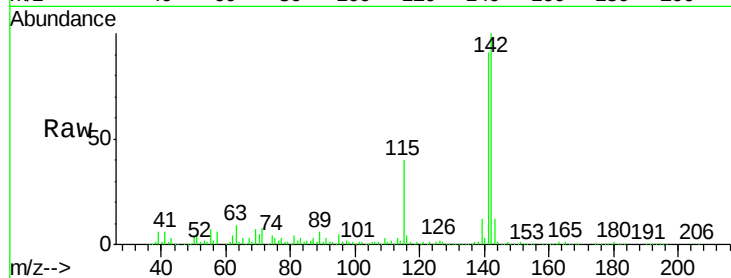




#37
 2-Methylnaphthalene
 Concen: 174.23 ng
 RT: 8.59 min Scan# 604
 Delta R.T. 0.01 min
 Lab File: BF091261.D
 Acq: 22 Nov 2016 00:04

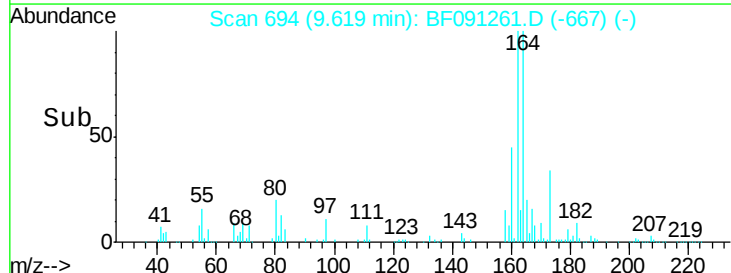
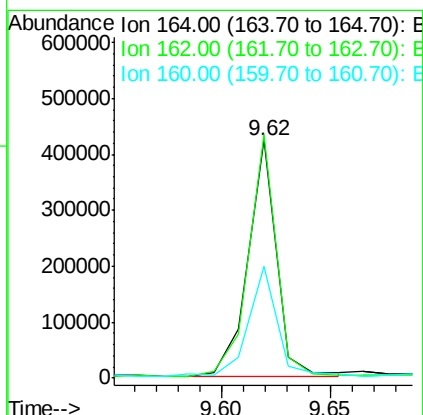
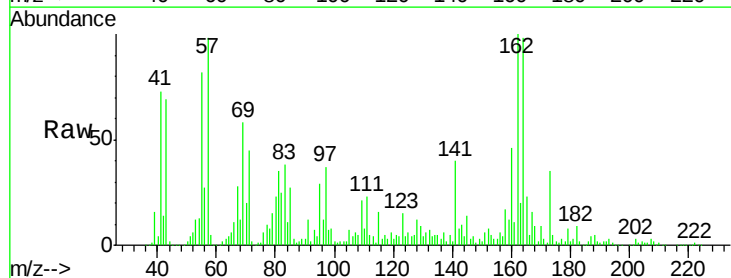
Instrument :
 BNA_F
 ClientSampleId :
 UST-SW1

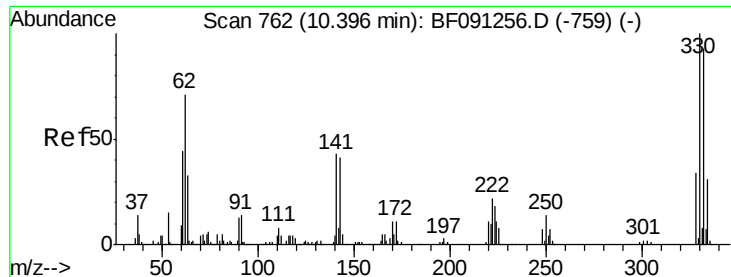
Tot Ion:142 Resp: 2938662
 Ion Ratio Lower Upper
 142 100
 141 90.7 71.7 107.5
 115 40.3 25.0 37.6#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.62 min Scan# 694
 Delta R.T. 0.01 min
 Lab File: BF091261.D
 Acq: 22 Nov 2016 00:04

Tgt Ion:164 Resp: 385763
 Ion Ratio Lower Upper
 164 100
 162 102.1 82.6 124.0
 160 46.8 36.7 55.1

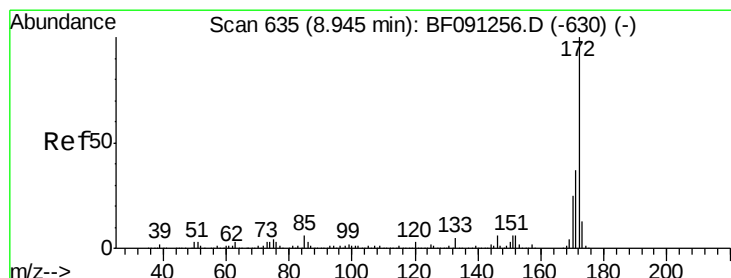
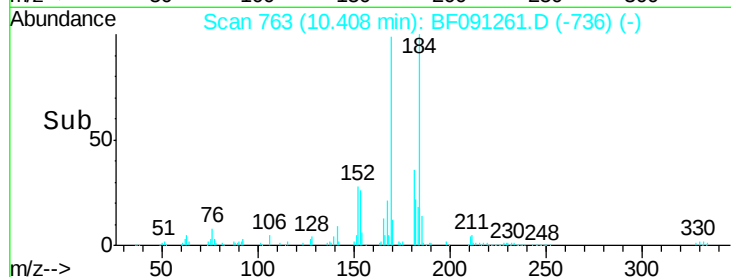
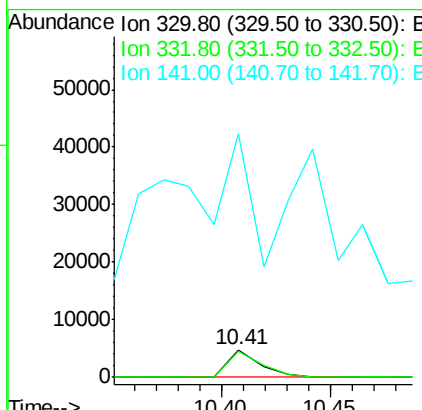
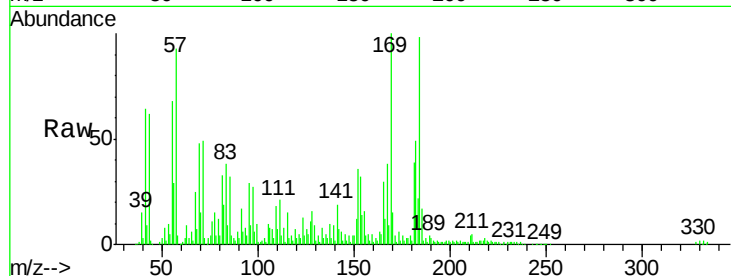




#41
 2,4,6-Tribromophenol
 Concen: 1.38 ng
 RT: 10.41 min Scan# 763
 Delta R.T. 0.01 min
 Lab File: BF091261.D
 Acq: 22 Nov 2016 00:04

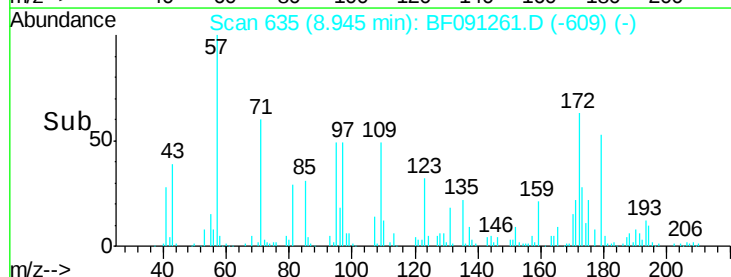
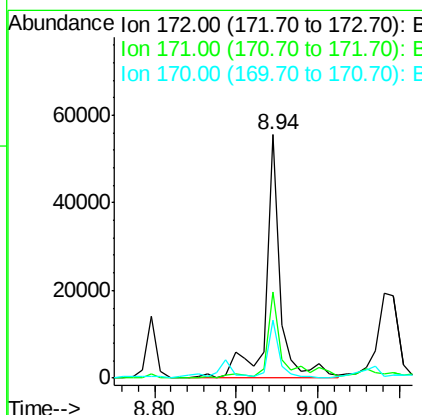
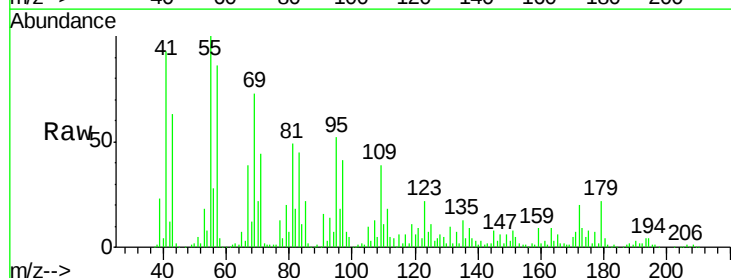
Instrument :
 BNA_F
 ClientSampleId :
 UST-SW1

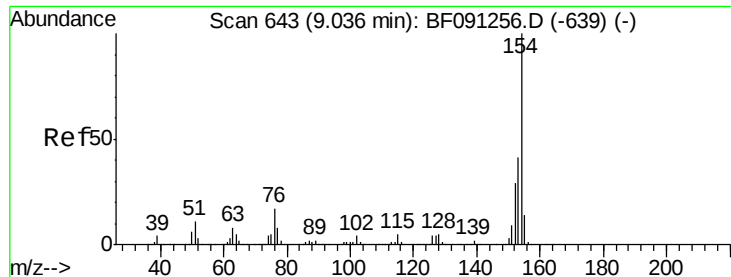
Tot Ion:330 Resp: 4974
 Ion Ratio Lower Upper
 330 100
 332 97.8 76.2 114.4
 141 0.0 33.6 50.4#



#44
 2-Fluorobiphenyl
 Concen: 3.16 ng
 RT: 8.94 min Scan# 635
 Delta R.T. 0.00 min
 Lab File: BF091261.D
 Acq: 22 Nov 2016 00:04

Tgt Ion:172 Resp: 69840
 Ion Ratio Lower Upper
 172 100
 171 35.6 29.4 44.0
 170 23.9 19.7 29.5





#45

1,1'-Biphenyl

Concen: 9.66 ng

RT: 9.05 min Scan# 644

Delta R.T. 0.01 min

Lab File: BF091261.D

Acq: 22 Nov 2016 00:04

Instrument :

BNA_F

ClientSampleId :

UST-SW1

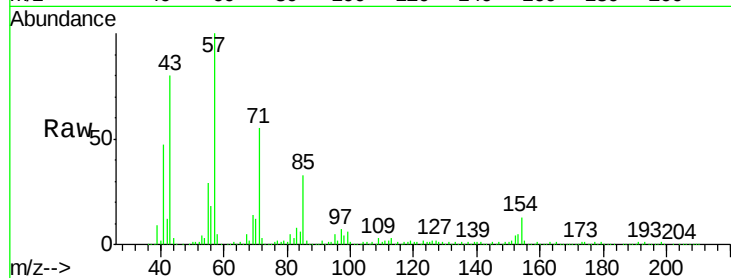
Tot Ion:154 Resp: 284069

Ion Ratio Lower Upper

154 100

153 40.2 20.6 60.6

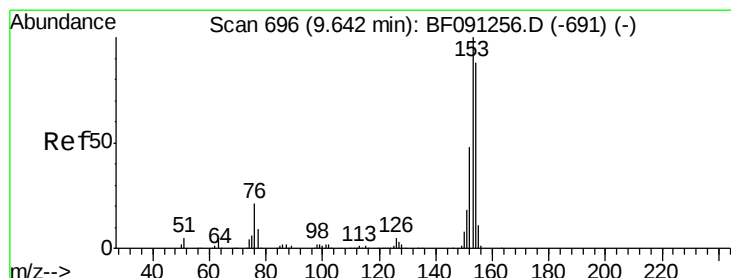
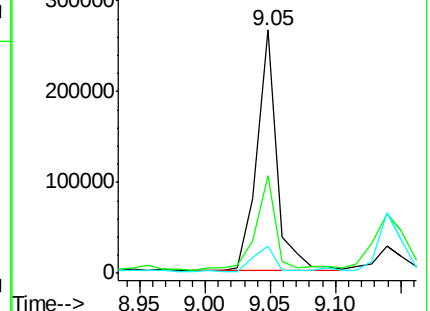
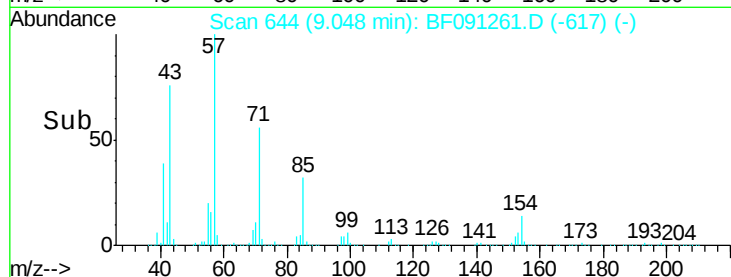
76 11.3 0.0 36.6



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#51

Acenaphthene

Concen: 5.98 ng

RT: 9.65 min Scan# 697

Delta R.T. 0.01 min

Lab File: BF091261.D

Acq: 22 Nov 2016 00:04

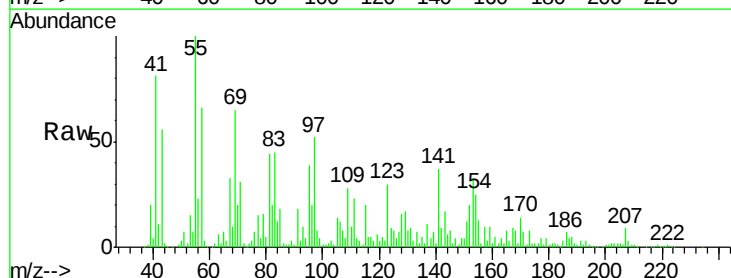
Tgt Ion:154 Resp: 122236

Ion Ratio Lower Upper

154 100

153 131.7 91.0 136.6

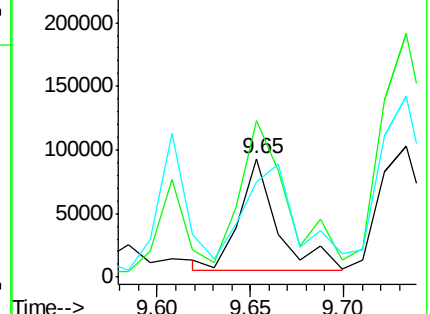
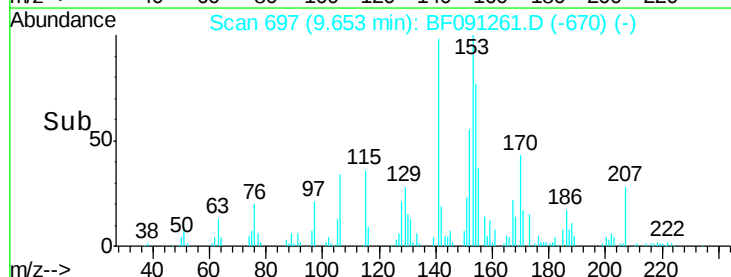
152 80.2 44.2 66.2#

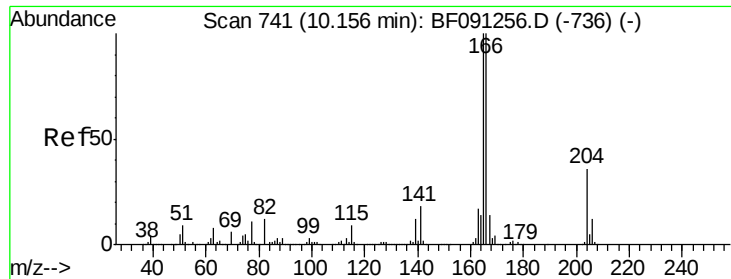


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#57

Fluorene

Concen: 9.87 ng

RT: 10.17 min Scan# 742

Delta R.T. 0.01 min

Lab File: BF091261.D

Acq: 22 Nov 2016 00:04

Instrument :

BNA_F

ClientSampleID :

UST-SW1

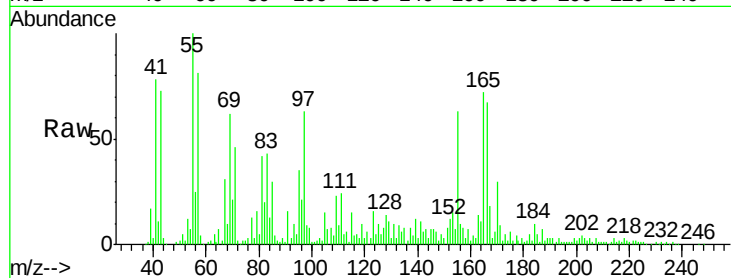
Tot Ion:166 Resp: 227188

Ion Ratio Lower Upper

166 100

165 107.5 80.0 120.0

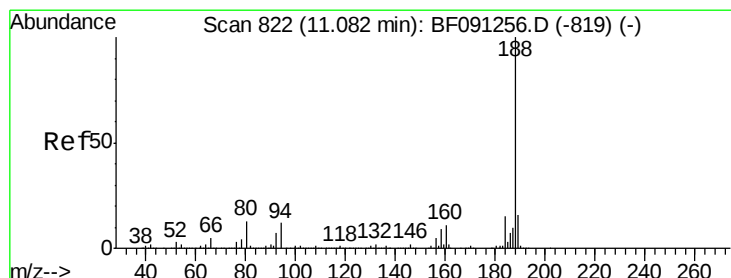
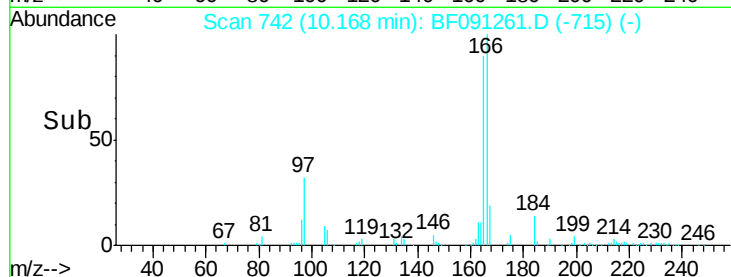
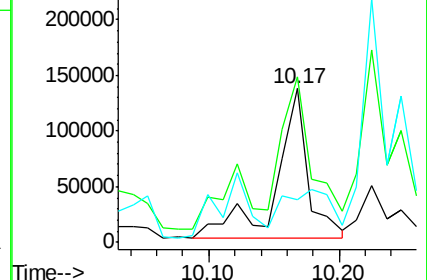
167 27.4 10.8 16.2#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.09 min Scan# 823

Delta R.T. 0.01 min

Lab File: BF091261.D

Acq: 22 Nov 2016 00:04

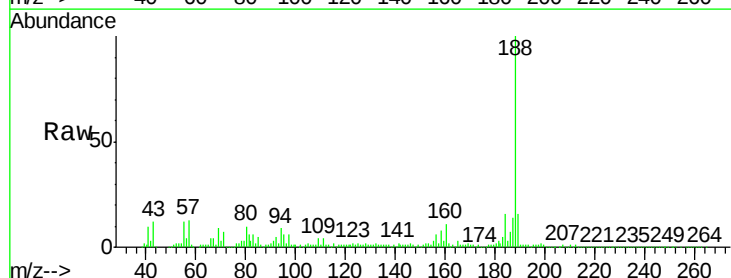
Tgt Ion:188 Resp: 616409

Ion Ratio Lower Upper

188 100

94 8.8 9.2 13.8#

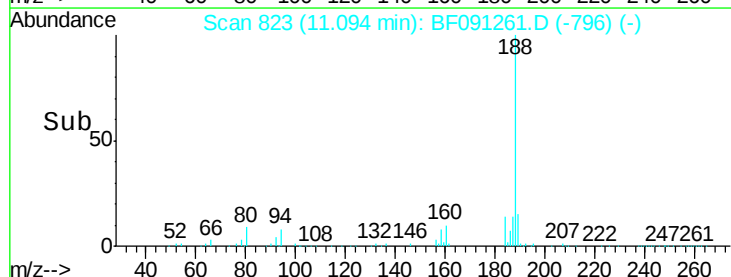
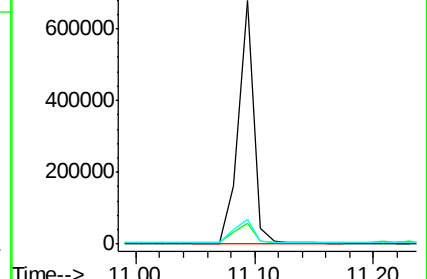
80 9.9 10.5 15.7#

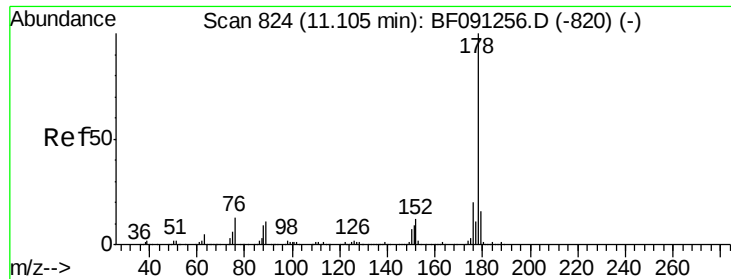


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

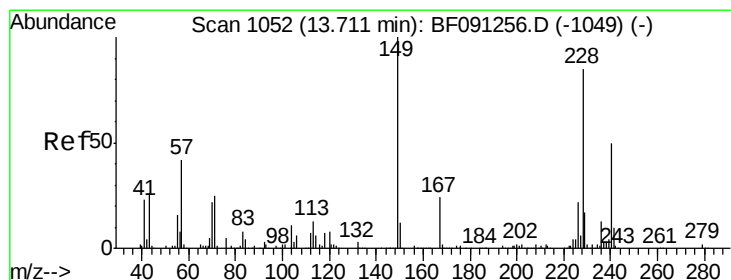
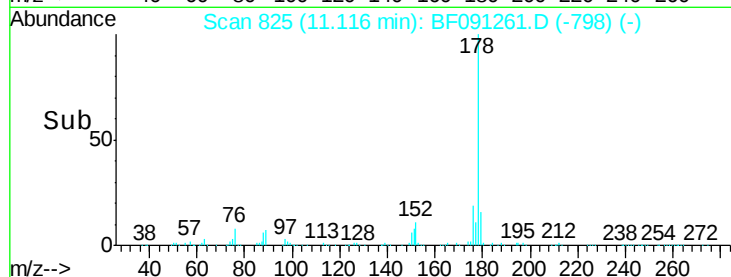
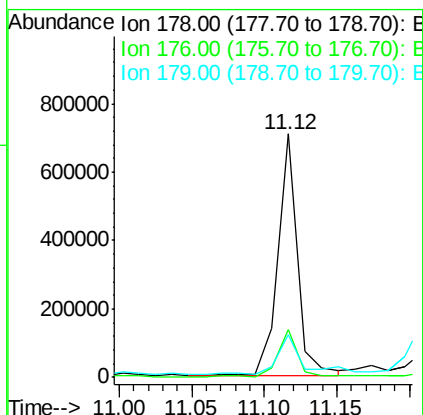
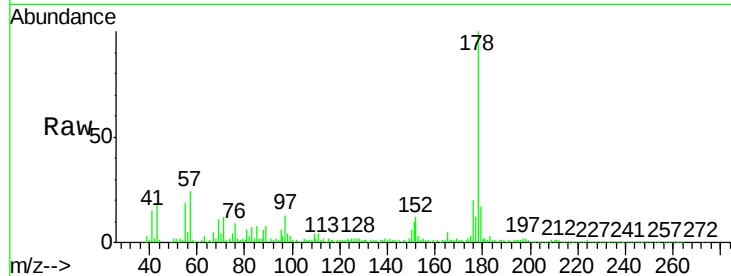




#70
Phenanthrene
Concen: 20.33 ng
RT: 11.12 min Scan# 825
Delta R.T. 0.01 min
Lab File: BF091261.D
Acq: 22 Nov 2016 00:04

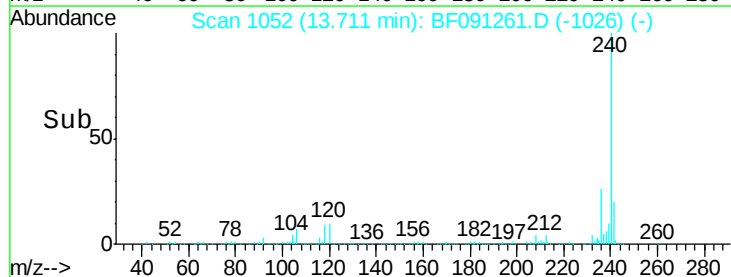
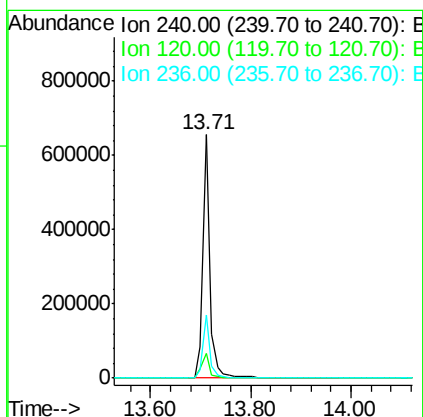
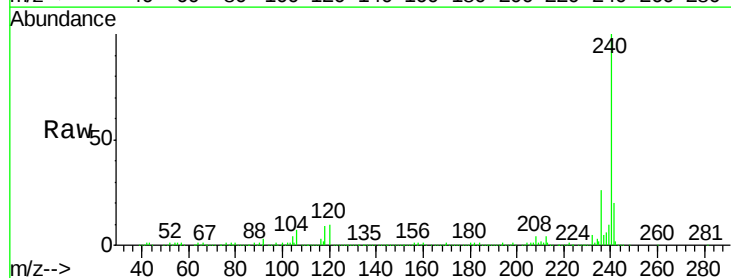
Instrument :
BNA_F
ClientSampleId :
UST-SW1

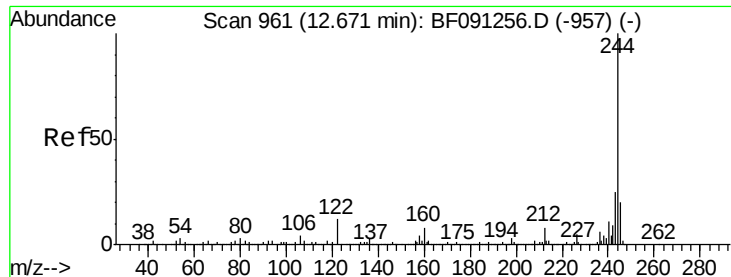
Tot Ion:178 Resp: 658535
Ion Ratio Lower Upper
178 100
176 19.6 15.9 23.9
179 17.5 12.6 18.8



#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.71 min Scan# 1052
Delta R.T. 0.00 min
Lab File: BF091261.D
Acq: 22 Nov 2016 00:04

Tgt Ion:240 Resp: 644240
Ion Ratio Lower Upper
240 100
120 10.2 12.1 18.1#
236 26.1 21.0 31.6





#78

Terphenyl-d14

Concen: 1.75 ng

RT: 12.67 min Scan# 961

Delta R.T. 0.00 min

Lab File: BF091261.D

Acq: 22 Nov 2016 00:04

Instrument :

BNA_F

ClientSampleId :

UST-SW1

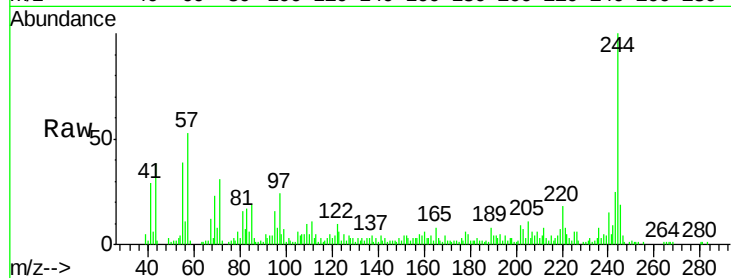
Tot Ion:244 Resp: 49669

Ion Ratio Lower Upper

244 100

212 7.6 6.5 9.7

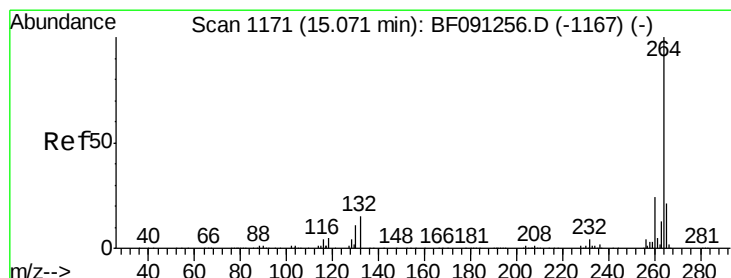
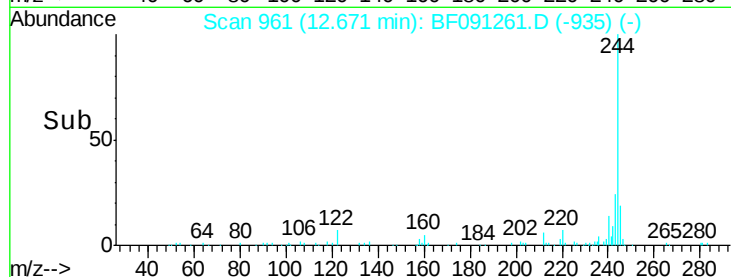
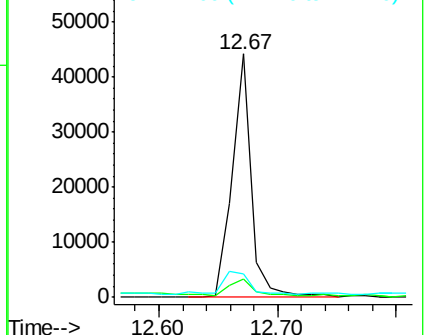
122 9.6 9.5 14.3



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.07 min Scan# 1171

Delta R.T. 0.00 min

Lab File: BF091261.D

Acq: 22 Nov 2016 00:04

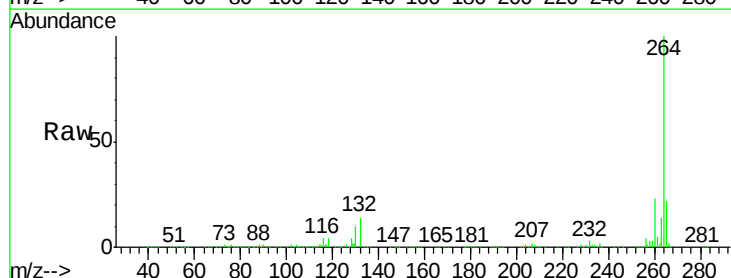
Tgt Ion:264 Resp: 492300

Ion Ratio Lower Upper

264 100

260 23.4 18.8 28.2

265 21.7 17.0 25.6



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

